

**ABSTRACT OF THE DISCLOSURE**

The present invention provides an apparatus and method for enhancing image resolution by a position perfurbation modulation which changes optical imaging paths by a rotatable wedge lens turntable. The imaging positions on an image detector is periodically changed so as to obtain the effect of the displacement disturbance and to breach the resolution limitation of the image detector. The present invention could further cooperate with the design of an optical imaging system and image processing to increase the image resolution and detect where a questionable pixel situates.

09845434 043001